

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

| | | | |
|-----|---|---|----|
| 1 | tttttttttttggag | ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC | 62 |
| 1 | | M E F S L L L P R L E C N G A I | 16 |
| 63 | TCA GCT CAC CGC AAC CTC CGC CTC CGG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA | 122 | |
| 17 | S A H R N L R L P G S S D S P A S A S P | 36 | |
| 123 | GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA | 182 | |
| 37 | V A G I T G M C T H A R L I L Y F F L V | 56 | |
| 183 | GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC | 242 | |
| 57 | E M E F L H V G Q A G L E L P T S D D P | 76 | |
| 243 | TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG | 302 | |
| 77 | S V S A S Q S A R Y R T G H A R L C L | 96 | |
| 303 | GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC | 362 | |
| 97 | A N F C G R N R V S L M C P S W S P E L | 116 | |
| 363 | AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT | 422 | |
| 117 | K Q S T C L S L P K C W D Y R R A A V P | 136 | |
| 423 | GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT | 482 | |
| 137 | G L F I L F F L R H R C P T L T Q D E V | 156 | |

FIG. 1A

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| | | |
|-----|---|-----|
| 483 | CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC | 542 |
| 157 | Q W C D H S S L Q P S T P E I K H P P A | 176 |
| 543 | TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT | 602 |
| 177 | S A S Q V A G T K D M H H Y T W L I F I | 196 |
| 603 | TTT ATT TTT AAT TTT TTG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG | 662 |
| 197 | F I F N F L R Q S L N S V T Q A G V Q W | 216 |
| 663 | CGC AAT CTT GGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC | 722 |
| 217 | R N L G S L Q P L P P G F K L F S C P S | 236 |
| 723 | CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CTA GCT AAT TTT TTT GIA TTT TTA | 782 |
| 237 | L L S S W D Y R R P P R L A N F F V F L | 256 |
| 783 | GTA GAG ATG GGG TTC ACC ATG TTC GGC AGG TTG ATC TTC ATC TCT GCA CCT TGT GAT CIG | 842 |
| 257 | V E M G F T M F A R L I L I S G P C D L | 276 |
| 843 | CCT GCC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT | 902 |
| 277 | P A S A S Q S A G I T G V S H A R L I | 296 |
| 903 | TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG | 962 |
| 297 | F N F C L F E M E S H S V T Q A G V Q W | 316 |

FIG. 1B

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963  CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022
317  P N L G S L Q P L P P G L K R F S C L S 336

1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082
337 L P S S W D Y G H L P P H P A N F C I F 356

1083 ATT AGA GGC GGC GTT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGC tgac 1143
357 I R G C V S P Y L S G W S Q T P D L R 375

1144 ccacctgcctcagccttccaagtctgggattacaggcgtgagccacctcaccacgcggctaatcttagataaaaaaat 1223

1224 atgtagcaatgggggtcttgctatgttgccaggctggtctcaactcttggttcattgcaatccttccaatgagcca 1303

1304 caacaccagccagtcacatcttttaaacagttacatctttatttagtatactagaagtaatacaataaacatgtcoa 1383

1384 acctgcaattcagtagtaacagagttctttataacttttaaaccaagctttagagca 1442

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FIG. 1C

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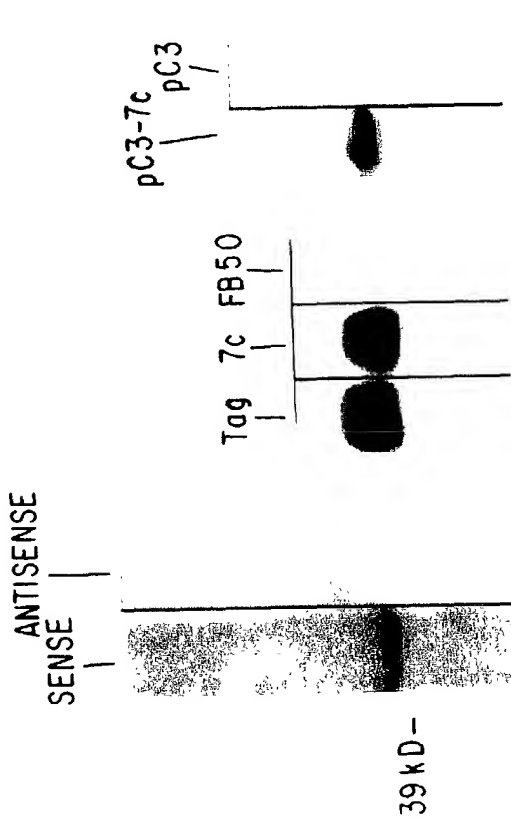
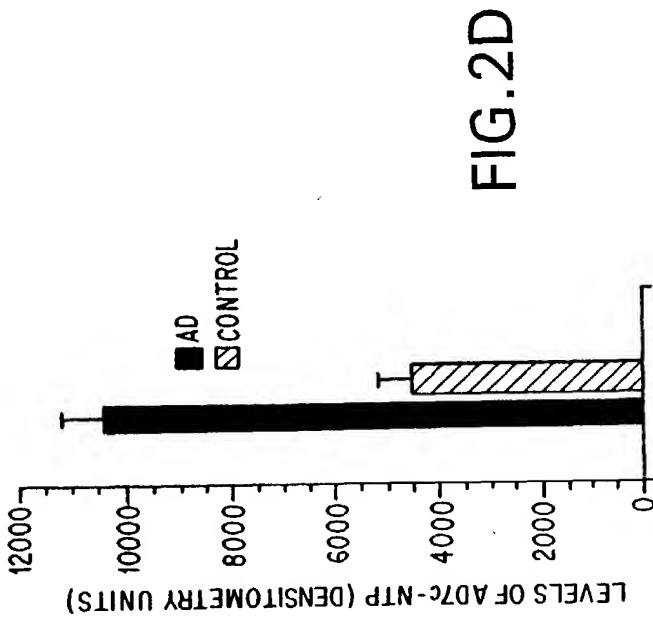


FIG. 2A FIG. 2B FIG. 2C

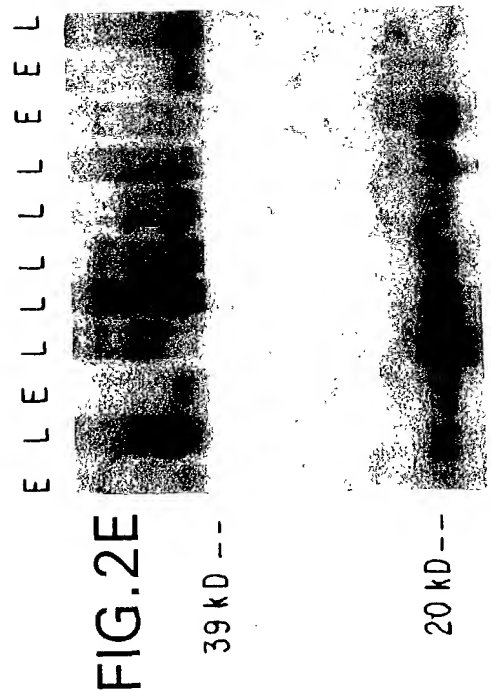
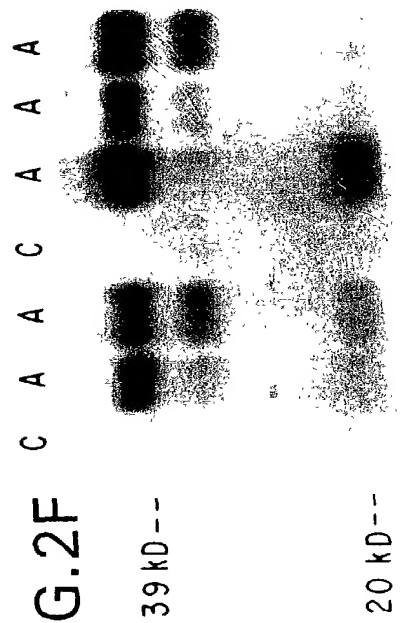


FIG. 2F



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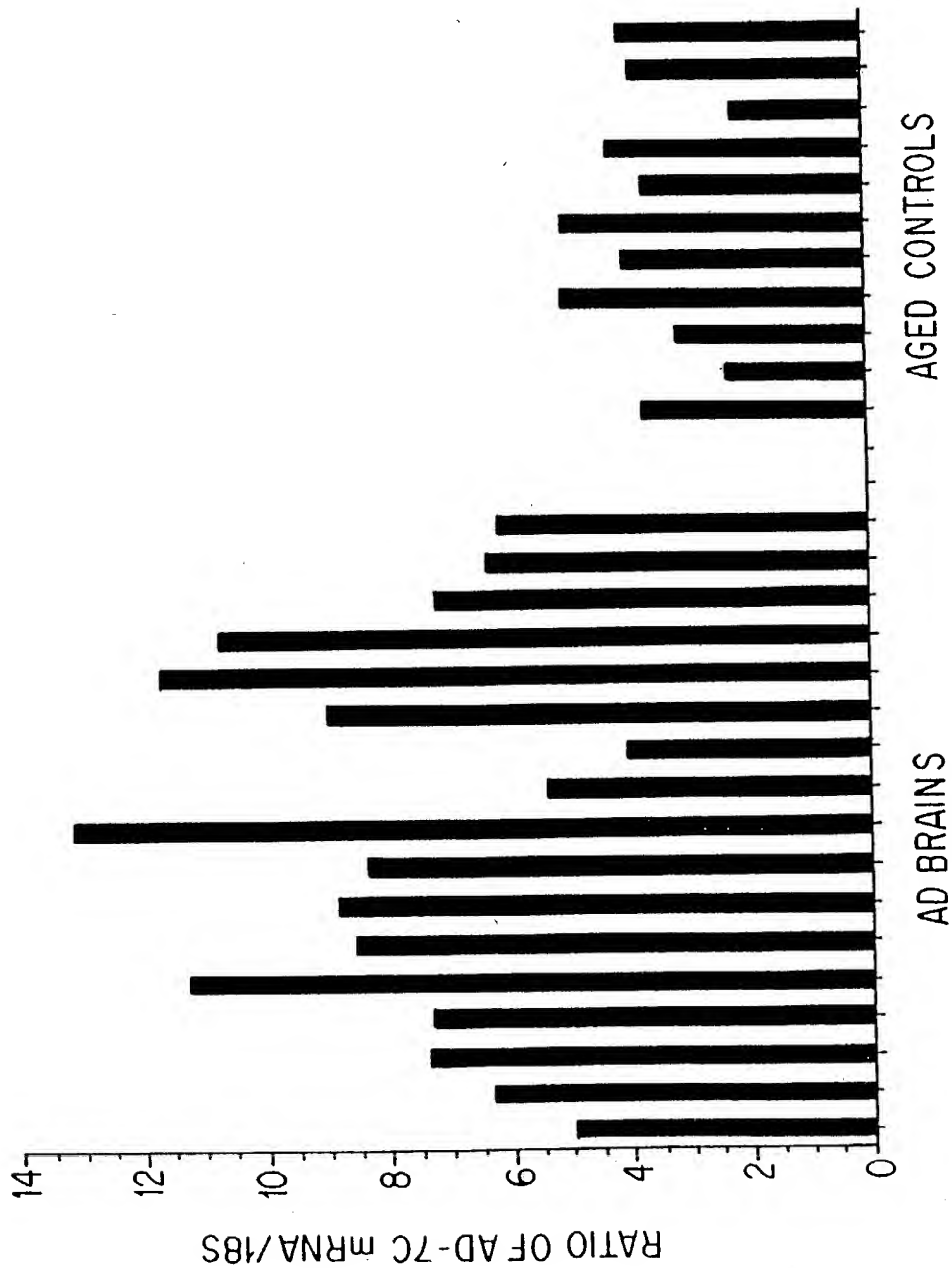


FIG. 3A

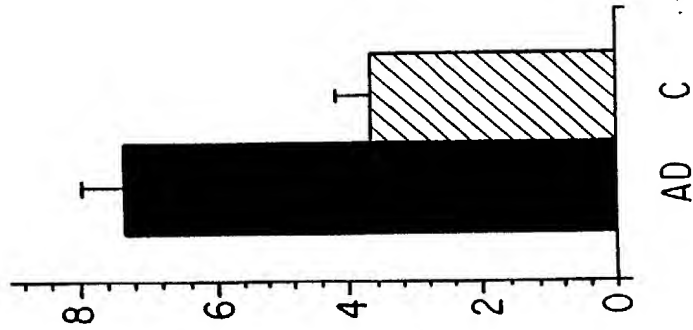


FIG. 3B

FIG. 3F

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FIG. 4D



FIG. 4C

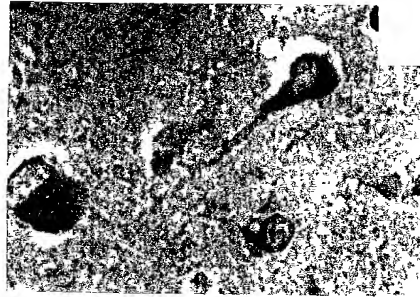


FIG. 4B

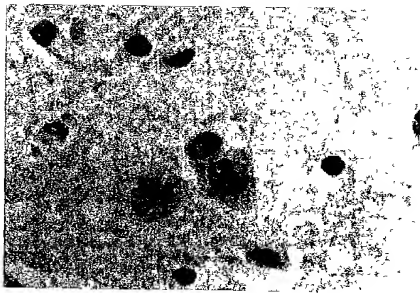


FIG. 4A

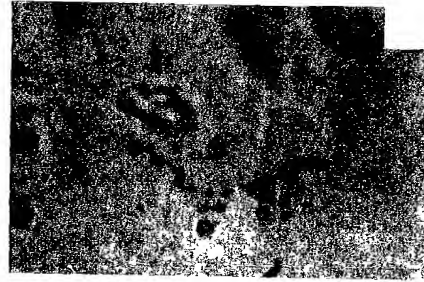
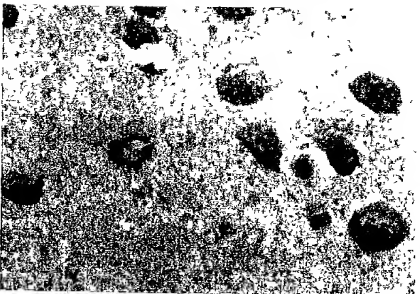


FIG. 4H



FIG. 4G

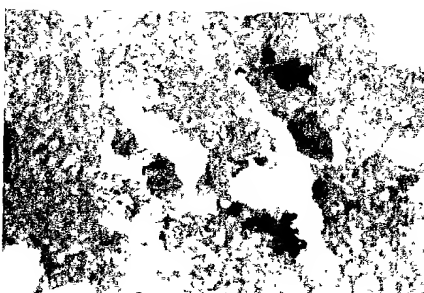


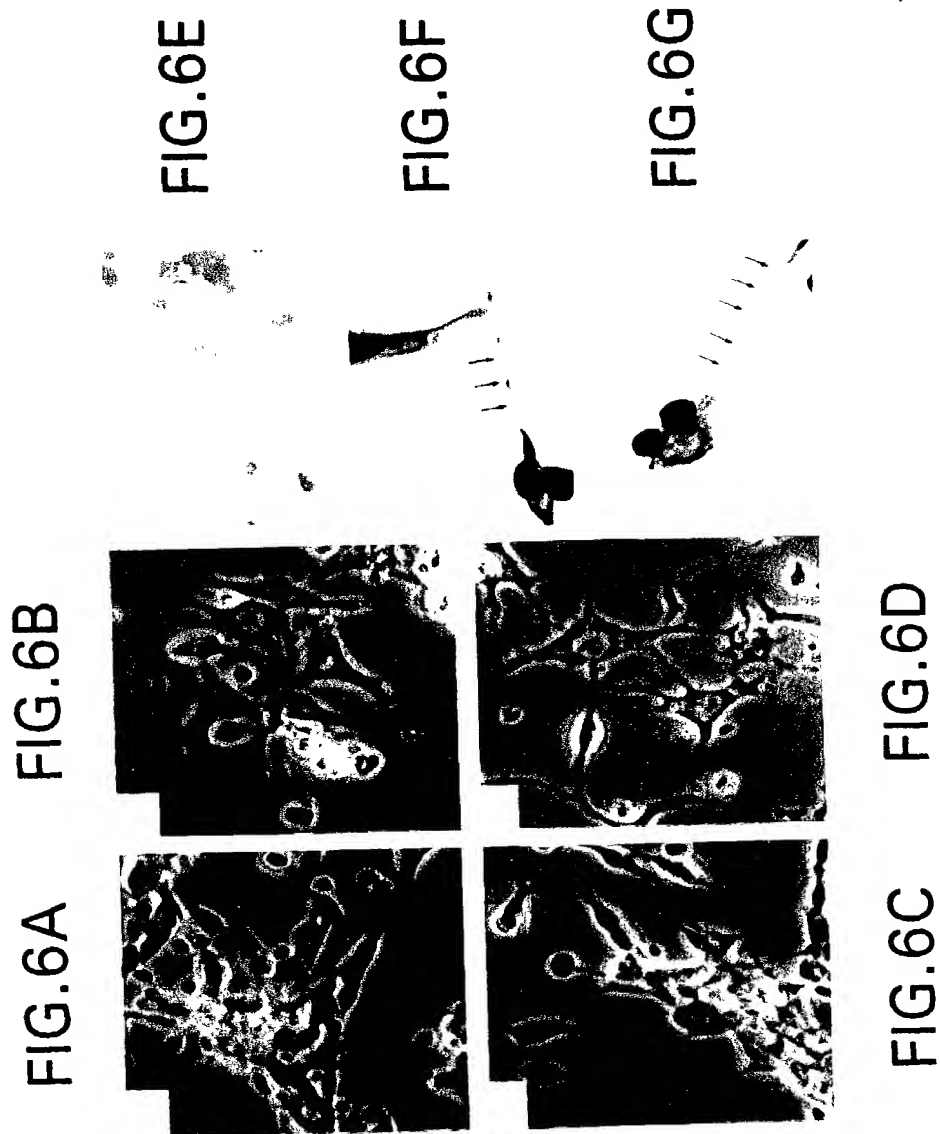
FIG. 4F



FIG. 4E

FIG. 5B

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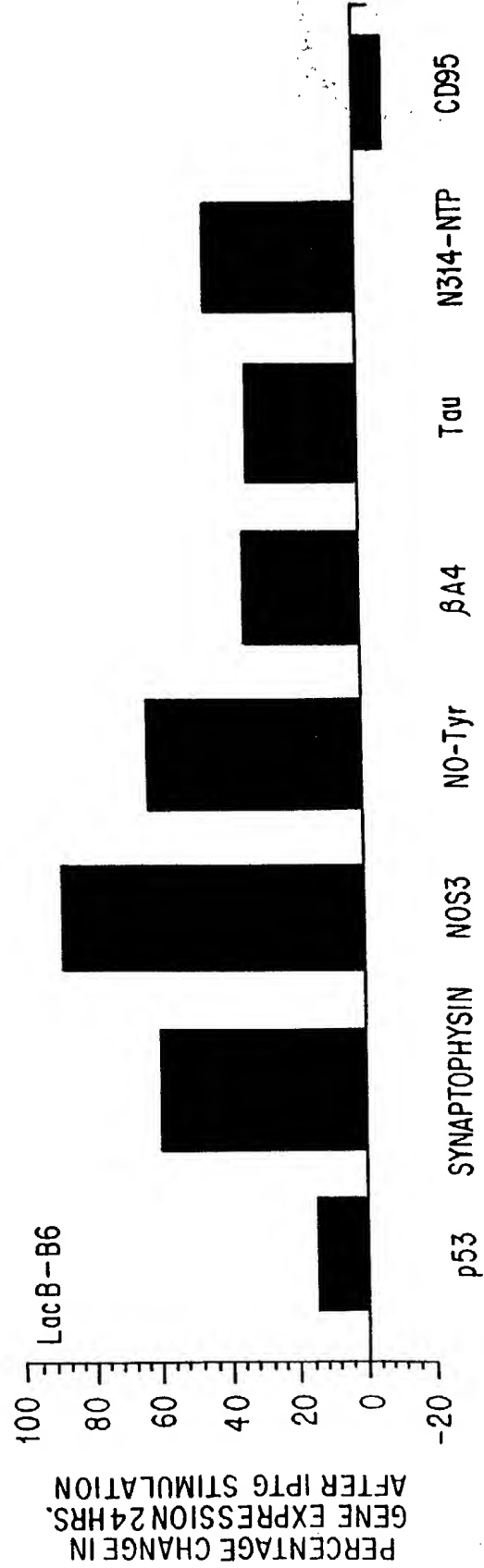
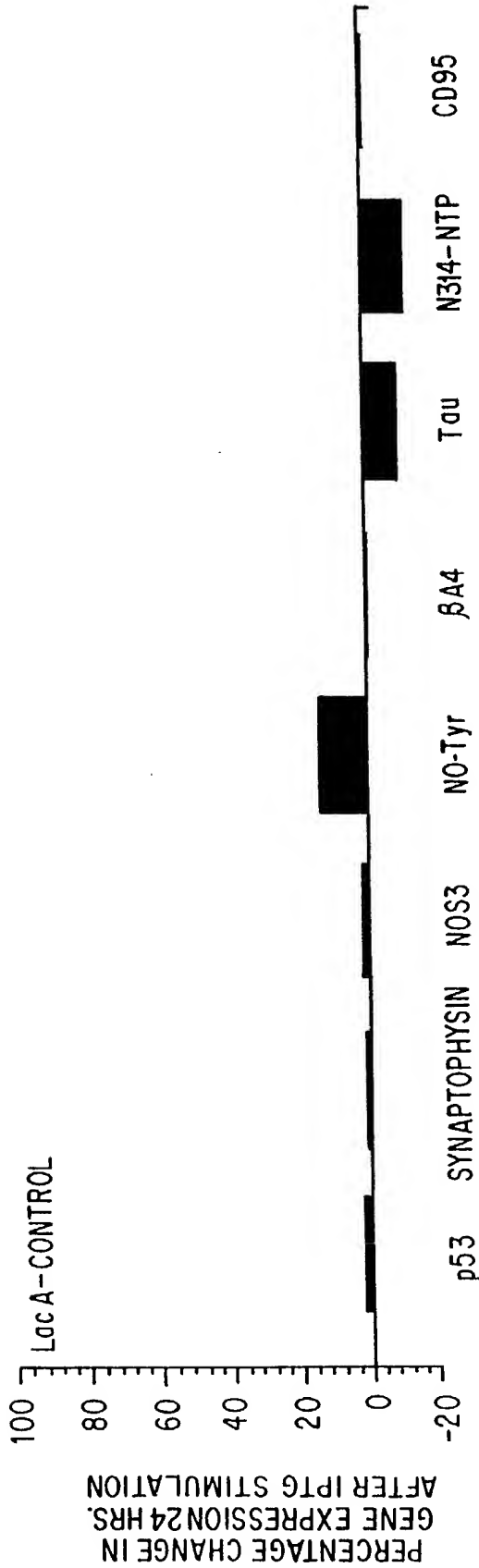


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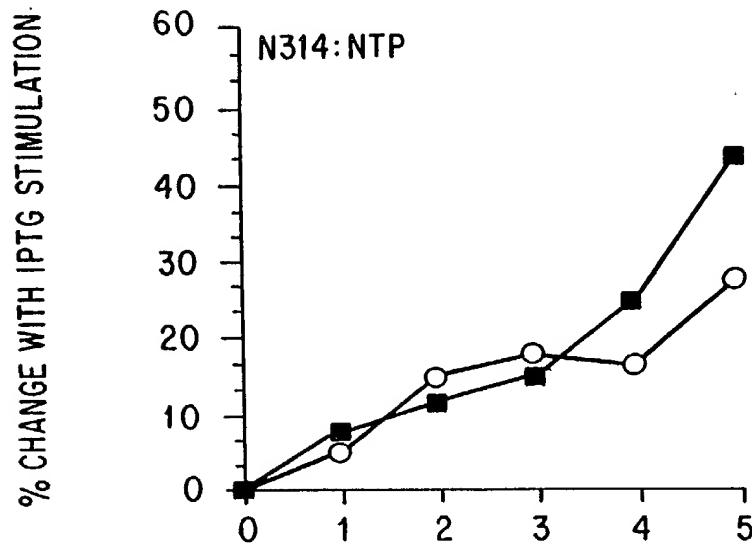


FIG. 8A

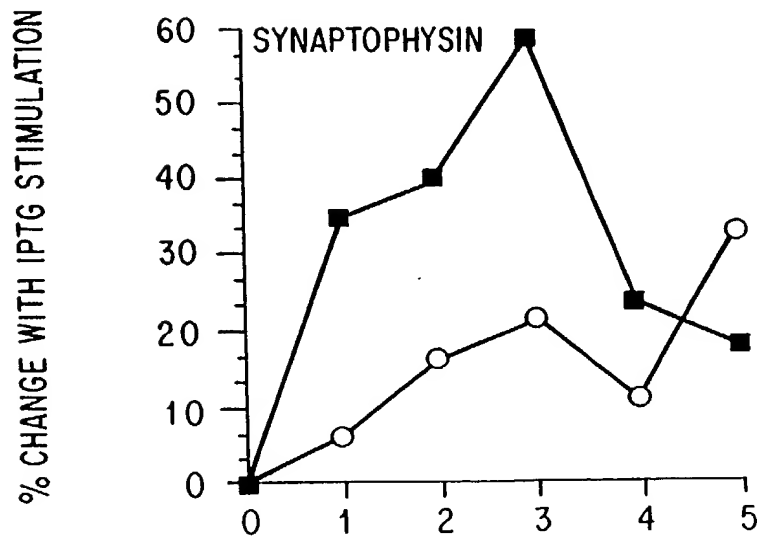


FIG. 8B

Appl. No. 09/964,667; Group Art Unit: 1633

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% CHANGE WITH IPTG STIMULATION

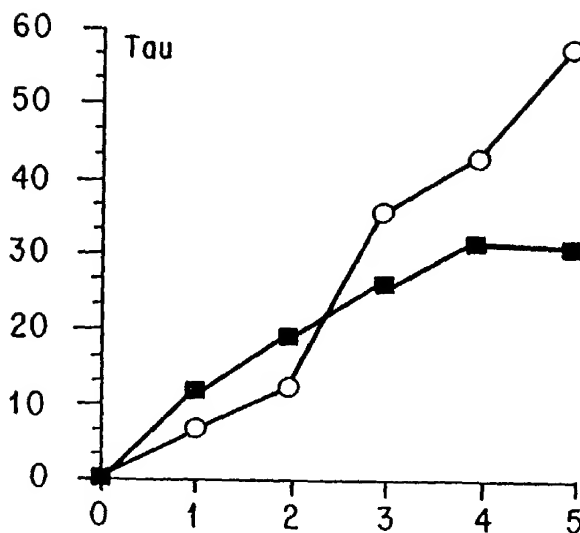


FIG. 8C

% CHANGE WITH IPTG STIMULATION

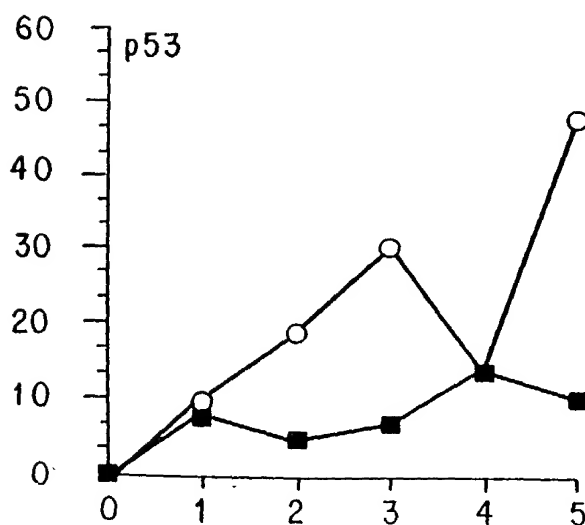


FIG. 8D

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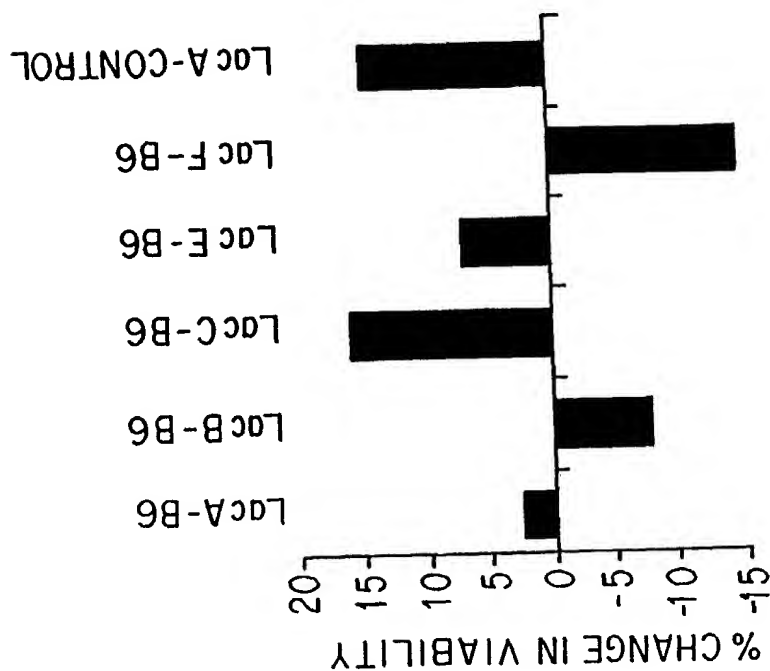


FIG. 9B

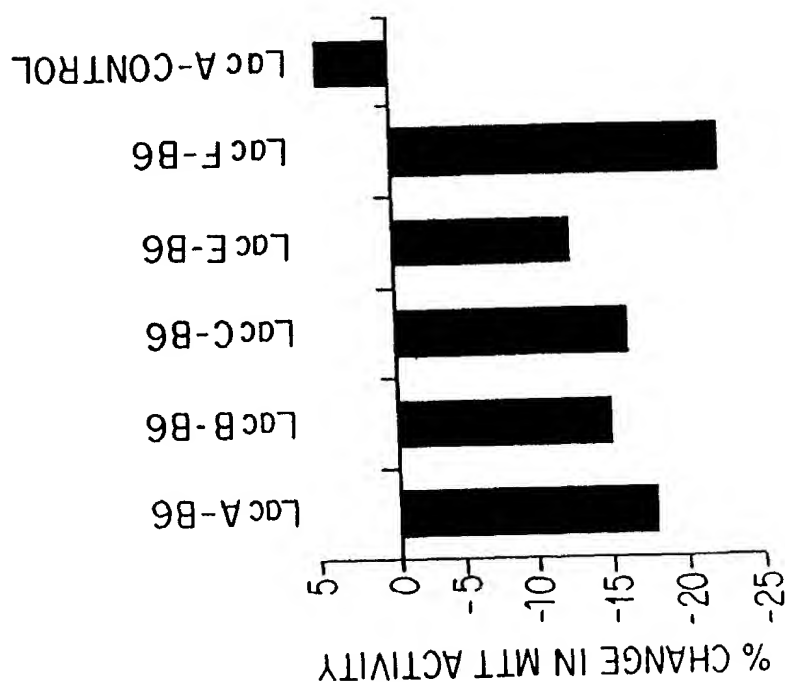


FIG. 9A

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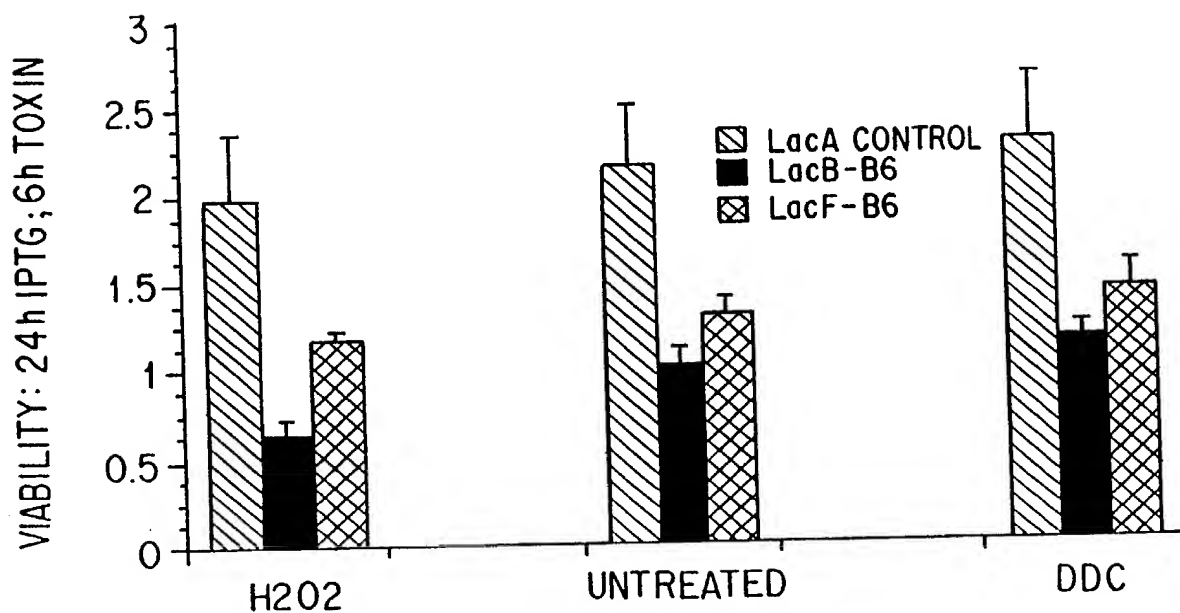


FIG. 10A

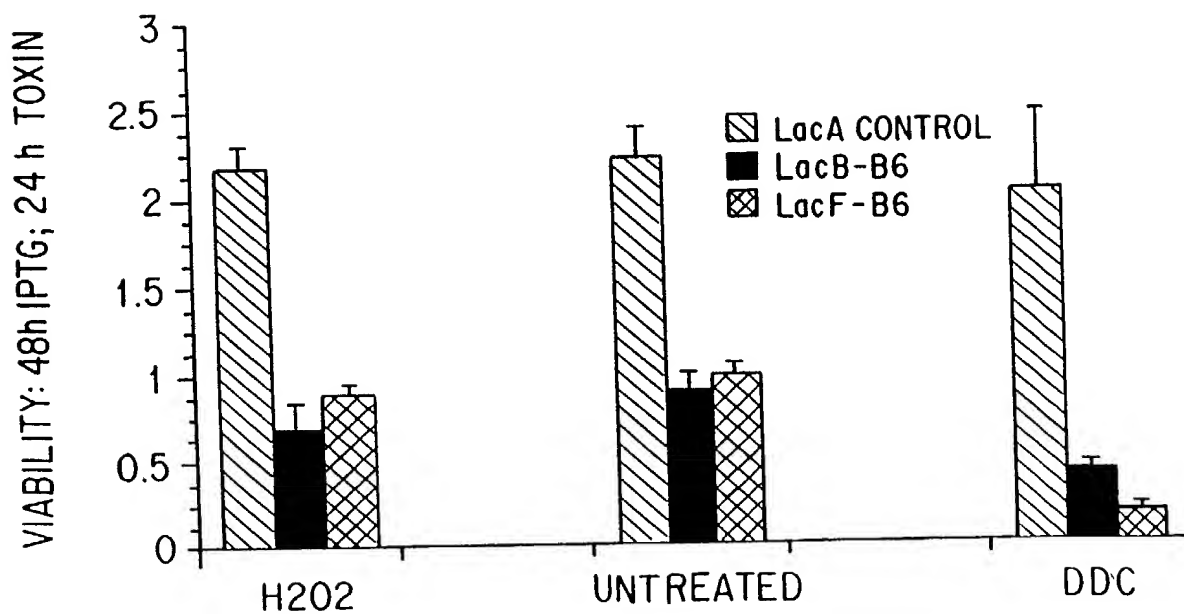


FIG. 10B

